

BELL SYSTEM PRACTICES
Outside Plant Construction
and Maintenance

SECTION G93.230.1
Issue 1, August, 1951
AT&T Co Standard

TF CABLE GUIDE

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1. GENERAL

1.01 The TF Cable Guide is for use on "PWD" and "PCP" cable reel trailers when placing lashed cable. Its purpose is to guide the cable from the reel on the trailer toward the lashing equipment on the strand in such a manner as to prevent the cable from rubbing against the flanges of the turning reel and to minimize bending of the cable.

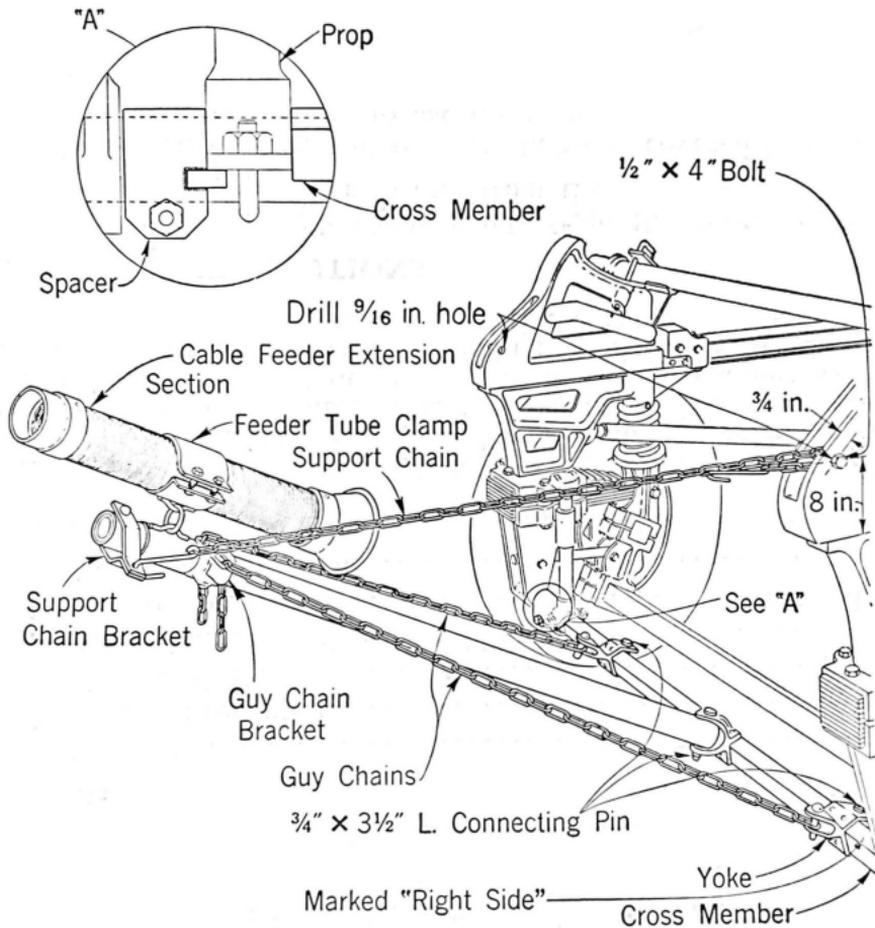
2. SAFETY PRECAUTIONS

- 2.01 Remove the TF Cable Guide from the trailer before towing the trailer to and from the job.
- 2.02 Adjust the guy and support chains as covered in Part 5 before attempting to use the guide.

3. NAMES OF PARTS

3.01 The sketch below shows a TF Cable Guide mounted on a standard cable reel trailer and identifies the various parts of the guide.

TYPE TF CABLE GUIDE ASSEMBLY



4. MOUNTING THE GUIDE ON A TRAILER

4.01 Two 9/16-inch holes in the webs of the trailer saddle castings, located as shown on the above figure, are required in order to attach the TF Cable Guide to the trailer. Place the 1/2" x 4" bolts, furnished with the guide in these holes.

4.02 After the cable reel has been loaded on the trailer, remove the two $3/4'' \times 3-1/2''$ L connecting pins from the yokes near the ends of the cross-member. Place the cross-member against the truss rod of the trailer, with the yokes encircling the truss rod, and replace the L connecting pins. One end of the cross-member is marked "right side" and should be adjacent to the right spring pedestal of the trailer as shown on the above figure.

4.03 Remove the $3/8'' \times 3''$ bolt from the spacer, place the spacer on the trailer truss rod between the left spring pedestal and the trailer prop so that the pins projecting from the side of the spacer are on the side towards the prop. Secure the spacer in place by replacing the $3/8'' \times 3''$ bolt.

4.04 Attach the boom to the cross-member with a $3/4'' \times 3-1/2''$ L connecting pin so that the boom extends to the rear and the clamp for attaching the flexible cable feeder tube is on top of the boom.

4.05 Attach the guy chains from the yokes on the cross-member to the guy chain bracket on the boom to center the boom with respect to the cable reel.

4.06 Loosen the bolts of the feeder tube clamp. Slide the cable feeder extension section through the clamp, with the funnel end of the tube toward the cable reel, until the clamp is about in the middle of the cable feeder extension section and tighten the clamp bolts.

4.07 Turn the support chain bracket to either the left or right side of the boom and hook one end of the support chain into the end of the bracket. Raise the feeder tube end of the boom and attach the other end of the support chain to the saddle casting on the same side of the trailer as the boom support bracket. This attachment is made by passing the end of the chain around the $1/2$ -inch bolt previously placed in the saddle casting (see Par. 4.01) and placing the hook on the end of the chain in the appropriate link to make the chain the desired length.

5. ADJUSTMENT

5.01 Check the position of the upper end of the boom. If it is not centered between the two sides of the cable reel, adjust the length of the two guy chains to center it.

5.02 Adjust the height of the boom so that the cable will pass from the reel through the feeder tube with the least amount of bending.

5.03 Cable reels can not be loaded or unloaded while the guide is mounted on the trailer. However, the guide can be quickly removed to permit unloading the cable reel.

5.04 The guide should not be mounted on the trailer until after the cable reel is loaded and the trailer has been towed to the site of the cable placing operation.

5.05 Do not use a cable feeder extension section with rough or broken ends which might damage the cable as it is pulled through the tube.

6. REMOVING THE GUIDE

6.01 To remove the guide for unloading or loading a reel of cable, proceed as follows:

- (a) Detach the support chain from the upper end of the boom and lower this end of the boom to the ground.
- (b) Detach the support chain from the trailer saddle casting and lay the chain aside.
- (c) Detach the cross-member by removing the $3/4'' \times 3-1/2''$ L connecting pins in the yokes and lay the boom, cross-member and guy chains aside.

6.02 If the guide is to be stored for future use, proceed as in Par. 6.01 and also remove the spacer from the truss rod of the trailer and store the spacer with the other parts of the guide.